```
EEEEEEEEEEEEEEEE   RRRRRRRRRRRR       FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE   RRRRRRRRRRRR       FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE   RRRRRRRRRRRR       FFFFFFFFFFFFFFFF
EEE                RRR         RRR    FFF
EEE                RRR         RRR    FFF
EEE                RRR         RRR    FFF
EEE                RRR         RRR    FFF
EEE                RRR         RRR    FFF
EEE                RRR         RRR    FFF
EEEEEEEEEEEE       RRRRRRRRRRRR       FFFFFFFFFFFF
EEEEEEEEEEEE       RRRRRRRRRRRR       FFFFFFFFFFFF
EEEEEEEEEEEE       RRRRRRRRRRRR       FFFFFFFFFFFF
EEE                RRR   RRR          FFF
EEE                RRR   RRR          FFF
EEE                RRR   RRR          FFF
EEE                RRR     RRR        FFF
EEE                RRR     RRR        FFF
EEE                RRR     RRR        FFF
EEEEEEEEEEEEEEEE   RRR       RRR      FFF
EEEEEEEEEEEEEEEE   RRR       RRR      FFF
EEEEEEEEEEEEEEEE   RRR       RRR      FFF
```

```
IIIIII    NN      NN    IIIIII    TTTTTTTTTT  BBBBBBBB    UU      UU    SSSSSSSS
IIIIII    NN      NN    IIIIII    TTTTTTTTTT  BBBBBBBB    UU      UU    SSSSSSSS
  II      NN      NN      II          TT      BB      BB  UU      UU  SS
  II      NN      NN      II          TT      BB      BB  UU      UU  SS
  II      NNNN    NN      II          TT      BB      BB  UU      UU  SS
  II      NNNN    NN      II          TT      BB      BB  UU      UU  SS
  II      NN  NN  NN      II          TT      BBBBBBBB    UU      UU    SSSSSS
  II      NN  NN  NN      II          TT      BBBBBBBB    UU      UU    SSSSSS
  II      NN    NNNN      II          TT      BB      BB  UU      UU          SS
  II      NN    NNNN      II          TT      BB      BB  UU      UU          SS
  II      NN      NN      II          TT      BB      BB  UU      UU          SS    ....
IIIIII    NN      NN    IIIIII        TT      BBBBBBBB    UUUUUUUUUU  SSSSSSSS      ....
IIIIII    NN      NN    IIIIII        TT      BBBBBBBB    UUUUUUUUUU  SSSSSSSS      ....


LL                  IIIIII    SSSSSSSS
LL                  IIIIII    SSSSSSSS
LL                    II    SS
LL                    II    SS
LL                    II    SS
LL                    II    SS
LL                    II      SSSSSS
LL                    II      SSSSSS
LL                    II          SS
LL                    II          SS
LL                    II          SS
LLLLLLLLLL          IIIIII    SSSSSSSS
LLLLLLLLLL          IIIIII    SSSSSSSS
```

```
0001            Subroutine ERFBUSINI ( Array_addr, Array_size )
0002
0003        C
0004        C Version:        'V04-000'
0005        C
0006        C**************************************************************************
0007        C*                                                                        *
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0025        C*                                                                        *
0026        C*                                                                        *
0027        C**************************************************************************
0028        C
0029        C
0030        C Modified by:
0031        C
0032        C       V03-002 SAR0238         Sharon A. Reynolds         28-Mar-1984
0033        C               Added KMS3271 support.
0034        C
0035        C       V03-001 SAR0207         Sharon A. Reynolds         1-Mar-1984
0036        C               Added the UDA50A and TU81P.
0037        C
0038        C--
0039
0040
0041
0042            Parameter DC$_BUS = '00000080'X
0043            Parameter DC$_SCOM = '00000020'X
0044        !
0045        !  BUS CLASS DEVICES
0046        !
0047            PARAMETER DT$_CI780 = '00000001'X          ! CI780
0048            PARAMETER DT$_CI750 = '00000002'X          ! CI750
0049            PARAMETER DT$_UDA50 = '00000003'X          ! UDA50
0050            PARAMETER DT$_UDA50A = '00000003'X         ! UDA50A
0051            PARAMETER DT$_LESI = '00000005'X           ! LESI
0052            PARAMETER DT$_TU81P = '00000006'X          ! TU81P
0053            PARAMETER DT$_RDRX = '00000007'X           ! RDRX
0054
0055            PARAMETER DT$_XK_3271 = '00000003'X        ! DUP-11 FOR 3271 PROTOCOL EMULATOR
0056            PARAMETER DT$_SB_ISB11 = '00000007'X       ! ISB-11 DEC dataway
0057            Parameter DT$_YQ_3271 = '00000012'X        ! KMS3271
```

```
0058
0059          Parameter V1 = 1                          ! device module version number
0060
0061          Parameter      Maxtypes = 10
0062
0063          Integer*4       Array_addr, Array_size
0064
0065          Integer*2       Bus_codes ( 4 * Maxtypes )
0066
0067     C
0068     C The following table consist of:
0069     C  DEVICE TYPE, DEVICE CLASS, MODULE VERSION, TRANSFER VECTOR OFFSET
0070     C
0071     C The MODULE VERSION is used to determine if the module in this image
0072     C is the one to use. This is accomplished the root image comparing
0073     C this value against the value in the master tables in the root image.
0074     C
0075     C The TRANSFER VECTOR OFFSET is the index to the transfer vector to
0076     C be used for a specific device type. For example, the transfer
0077     C vectors for the disk image are ordered as:
0078     C      INITDISK 0
0079     C      MASSDISK 1
0080     C      RKDISK   2
0081     C      RLDISK   3
0082     C      ECT.
0083
0084          Data          Bus_codes /
0085          1 DT$_CI780,   DC$_BUS, V1, 1, |  CI780
0086          2 DT$_CI750,   DC$_BUS, Vi, 2, |  CI750
0087          3 DT$_UDA50,   DC$_BUS, V1, 3, |  UDA50
0088          4 DT$_UDA50A,  DC$_BUS, V1, 3, |  UDA50A
0089          5 DT$_TU81P,   DC$_BUS, V1, 3, |  TU81P
0090          5 DT$_LESI,    DC$_BUS, V1, 3, |  LESI
0091          5 DT$_RDRX,    DC$_BUS, V1, 3, |  RDRX
0092
0093     C The following two entries should be in a module for sync. communications
0094     C devices. But since only these two devices log errors, it was frugal
0095     C to create a loadable image just for them.
0096
0097          6 DT$_XK_3271, DC$_SCOM, V1, 4, |  DUP-11 FOR 3271 PROTOCOL EMULATOR
0098          7 DT$_SB_ISB11, DC$_SCOM, V1, 5, |  ISB-11 DEC dataway
0099          8 DT$_YQ_3271, DC$_SCOM, V1, 6/ |  KMS3271
0100
0101          Array_addr = %LOC (Bus_codes(1))
0102          Array_size = Maxtypes
0103
0104          Return
0105          End
```

PROGRAM SECTIONS

   Name   Bytes   Attributes

   0 $CODE   19   PIC CON REL LCL   SHR   EXE   RD NOWRT LONG
   2 $LOCAL   80   PIC CON REL LCL NOSHR NOEXE   RD   WRT LONG

      Total Space Allocated   99

ENTRY POINTS

   Address Type Name

   0-00000000   ERFBUSINI

VARIABLES

   Address Type Name   Address Type Name

   AP-00000004@ I*4 ARRAY_ADDR   AP-00000008@ I*4 ARRAY_SIZE

ARRAYS

   Address Type Name   Bytes Dimensions

   2-00000000 I*2 BUS_CODES   80 (40)

0001

COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:INITBUS/OBJ=OBJ$:INITBUS MSRC$:INITBUS

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

  Run Time: 0.80 seconds
  Elapsed Time: 3.36 seconds
  Page Faults: 85
  Dynamic Memory: 155 pages

GETCODE
LIS

INITPROC1
LIS

INITREAL
LIS

EXECIMAGE
LIS

ERFSUMM
LIS

INITBUS
LIS

INITPROC4
LIS

KMS3221
LIS

ERFTAPEVE
LIS

HEADER
LIS

FILES
LIS

ERLLOGSTS
LIS

INITPROC2
LIS

INIT_TAPE
LIS

ERLLOGMSG
LIS

INITDISK
LIS

INITPROC5
LIS

IMAGELOAD
LIS

INITPROC3
LIS

INTERVENE
LIS

ERFRTVEC
LIS

ERFSUMVEC
LIS